

## CLAIMS

1. A valve for use between a vehicle fuel tank vent and a vapor recovery canister in a vehicle fuel tank containing liquid fuel, said valve comprising:

5 a housing having a fuel tank side and a vapor recovery canister side; and

a vapor permeable membrane fixed to said vapor recovery canister side to block passage of liquid fuel.

2. The valve of claim 1, where said vapor permeable membrane is pleated.

10 3. The valve of claim 1, where said vapor permeable membrane is cone shaped.

4. The valve of claim 3, where said cone shaped vapor permeable membrane has a narrow portion and a wide portion.

15 5. The valve of claim 4, where said cone shaped vapor permeable membrane is positioned inside said housing with said narrow portion oriented toward said fuel tank side.

20 6. The valve of claim 1, where said vapor permeable membrane is cone shaped and pleated.

7. The valve of claim 1, where said vapor permeable membrane is cylindrical.

8. The valve of claim 1, where said vapor permeable membrane is cylindrical and pleated.

5 9. The valve of claim 1, where said vapor permeable membrane is a double layer material.

10. The valve of claim 1, where said vapor permeable membrane is an acrylic copolymer material on a polyamide support.

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11. The valve of claim 1, where said vapor permeable membrane has pore sizes of 0.2 to 5.0 microns.

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12. The valve of claim 1, where said vapor permeable membrane has pore sizes of 0.45 to 0.80 microns.